PATENT'

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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Shyh-Mei F. Ho, et al.

Application No.:

09/849,816

Group No.: Unknown

Filed:

May 4, 2001

Examiner: Unknown

Title: IMS TRANSACTION MESSAGES METAMODEL

LETTER TRANSMITTING FORMAL DRAWINGS

Commissioner for Patents Washington, D.C. 20231

Attn: Official Draftsman

Dear Sir:

Attached please find eight sheets (8) of formal patent drawings for above-referenced

application which was filed with informal drawings on May 4, 2001.

Respectfully Submitted,

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of deposit: ____ July 5, 2001

Person mailing paper: <u>Carla R. Aliberti</u>

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IBM Corporation

Intellectual Property Law (J46/G4)

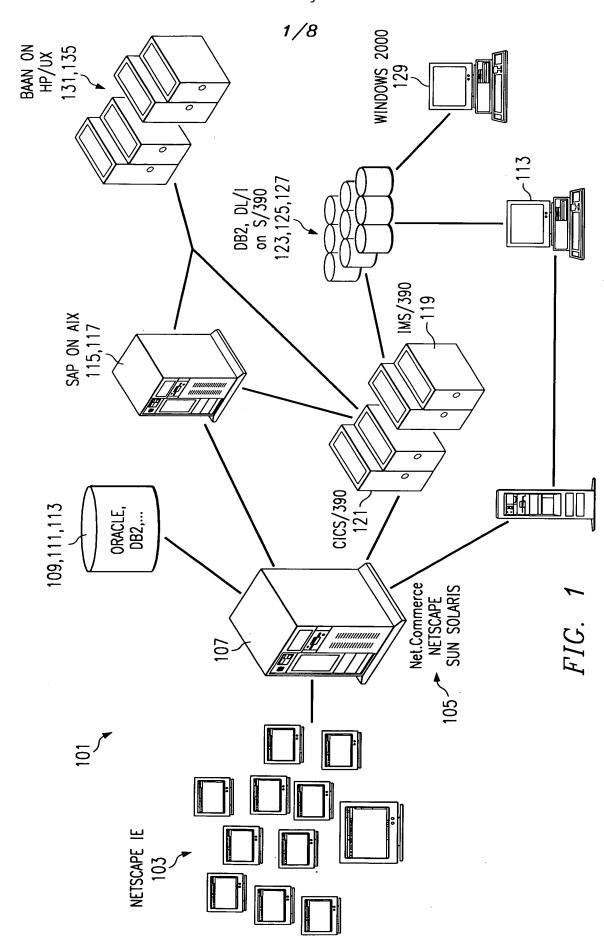
555 Bailey Avenue

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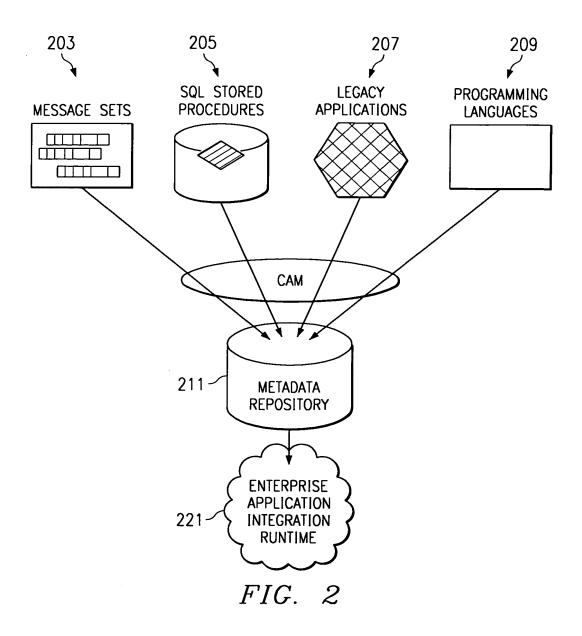
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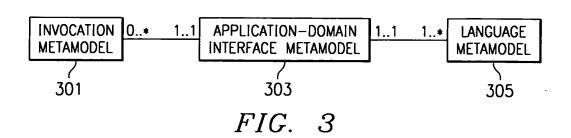
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Shyh-Mei F. Ho, et al.
IMS Transaction Messages Metamodel

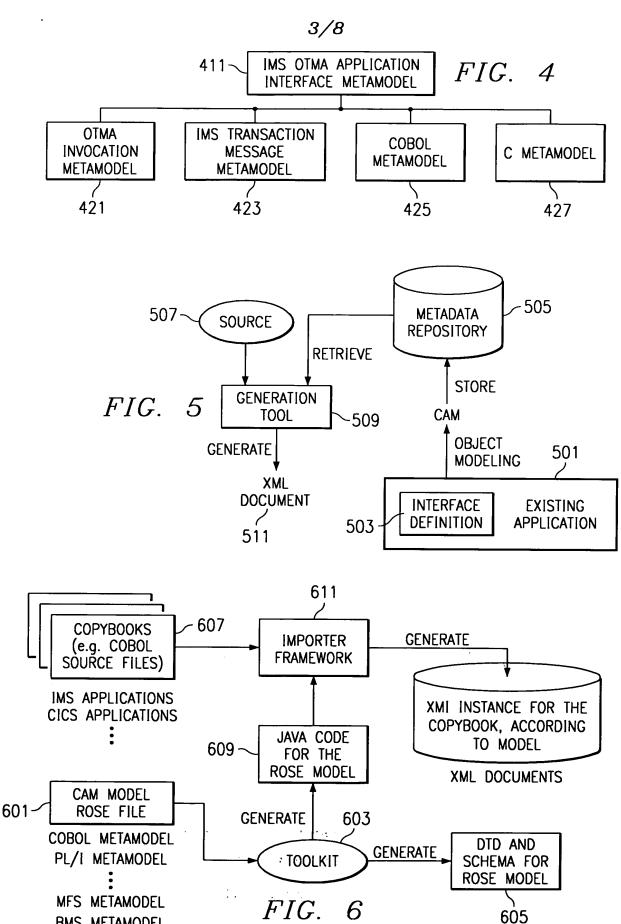




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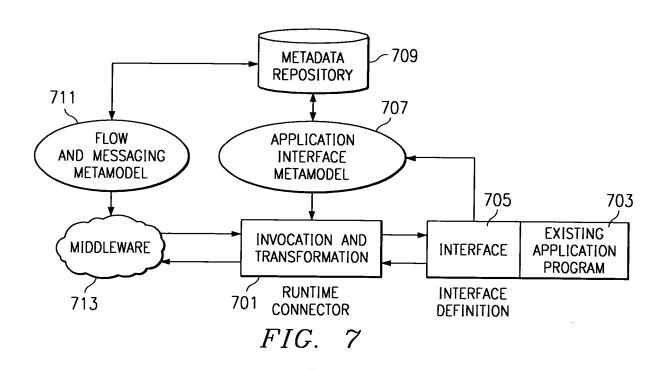






BMS METAMODEL

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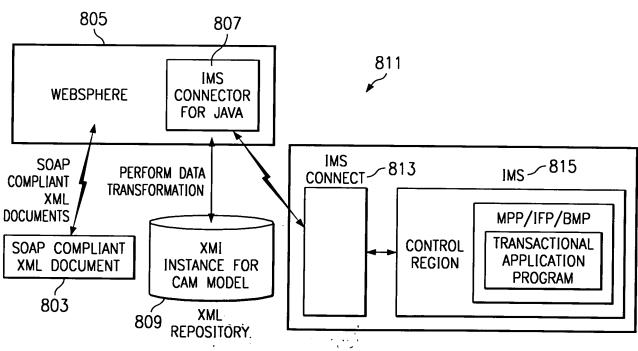
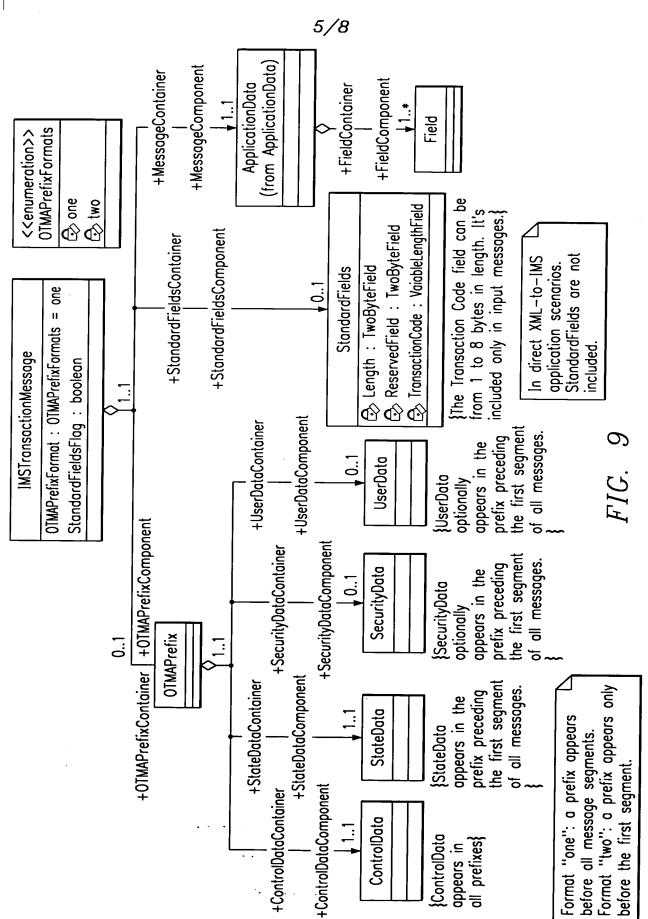
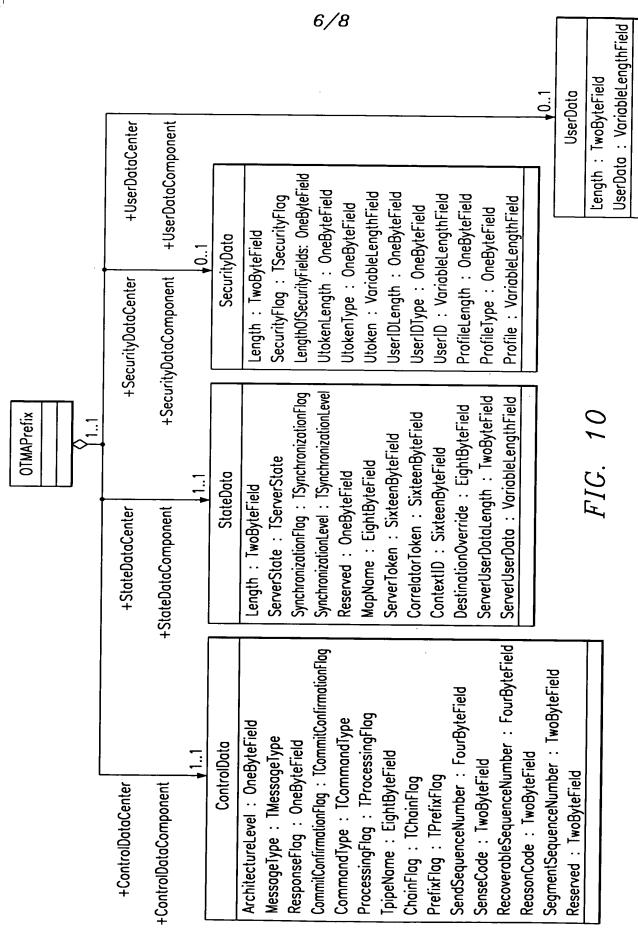


FIG. 8







TCommitConfirmationFlag <<enumeration>>

<<enumeration>>

TMessageType

Comitted: String

Aborted: String

Transaction : String

Ø>Data : String

CommandType ClientBid : String

<<enumeration>>

ServerAvailable : String CBresynch: String

SuspendProcessingForAllTpipes : String

ResumeProcessingForAllTpipes :

: String

CommitConfirmation

Command: String Response : String

SuspendInputForTpipe : String ResumeInputForTpipe : String

REOresynch : String SRVresynch: String

REPresynch: String

String String

<<enumeration>>

<<enumeration>>

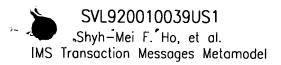
TProcessingFlag

SecurityData : String StateData : String

ApplicationData: String ♦ UserData : String

MiddleInChain : String DiscardChain : String FirstInChain : String LastInChain : String <<enumeration>>

> ErrorMessageFollows : String AsynchronousOutput: String SynchronizedTpipe : String



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<<enumeration>> TServerState

ConversationalState : String

ResponseMode: String

<<enumeration>> TSynchronizationFlag

CommitThenSend : String

SendThenCommit: String

<<enumeration>>
TSynchronizationLevel

None : String

Confirm : String

SYNCPT : String

FIG. 12

<<enumeration>> TSecurityFlag

NoSecurity : String

♣Full : String

FIG. 13

<<pre><<pre><<pre>OneByteField

<<pre><<pre><<pre>TwoByteField

<<pre><<pre>cprimitive>>
FourByteField

<<pre><<pre><<pre>SixByteField

NOTE: THESE PRIMITIVES DON'T TELL YOU THE FORMAT OF THE INFORMATION, JUST THE BYTE-LENGTHS. WE MAY NEED TO MODIFY THIS IF WE WANT TO SPECIFY THAT THE DATA IS, FOR EXAMPLE, TWO BYTES OF ASCII VERSUS TWO BYTES OF UNICODE, OR THAT THE BYTES ARE BIG-ENDIAN ORDERED VERSUS LITTLE-ENDIAN.

<<pre><<pre>ccprimitive>>
EightByteField

<<pre><<pre>SixteenByteField

<<pre><<pre><<pre>VariableLengthField

FIG. 14